



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

CGI Windows & Doors  
10100 NW 25<sup>th</sup> Street  
Miami, FL 33172

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Series "Sentinel 130" Aluminum Fixed Window – S.M.I.

**APPROVAL DOCUMENT:** Drawing No. W14-19, titled "Series Sentinel 130 Aluminum Fixed Window (S.M.I.)", sheets 1 through 6 of 6, dated 04/10/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



*MP*  
7/25/14

NOA No. 14-0515.11  
Expiration Date: July 31, 2019  
Approval Date: July 31, 2014  
Page 1

**CGI Windows & Doors**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W14-19**, titled Series Sentinel 130 Aluminum Fixed Window (S.M.I.), sheets 1 through 6 of 6, dated 04/10/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Small Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Certified Testing Laboratories, Test Report No. **CTLA 3009WC**, dated 03/24/14, signed and sealed by Ramesh C. Patel, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 5<sup>th</sup> Edition (2014)**, prepared by Al-Farooq Corporation, dated 04/07/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with **ASTM E1300-09**.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

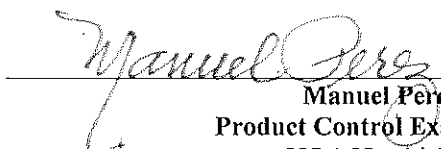
1. Notice of Acceptance No. **12-1231.10** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 03/28/13, expiring on 05/21/16.

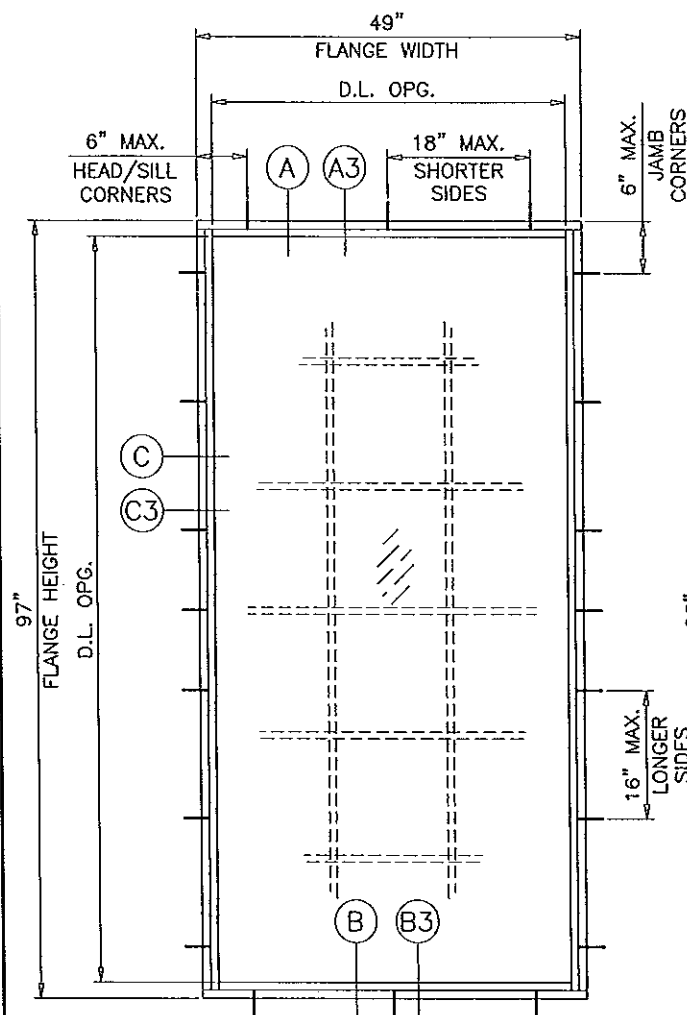
**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-5<sup>th</sup> Edition (2014)**, and of no financial interest, dated May 8, 2014, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Proposal No. **13-1098** issued by the Product Control Section, dated October 02, 2013 and revised on February 24, 2014, signed by Manuel Perez, P.E.

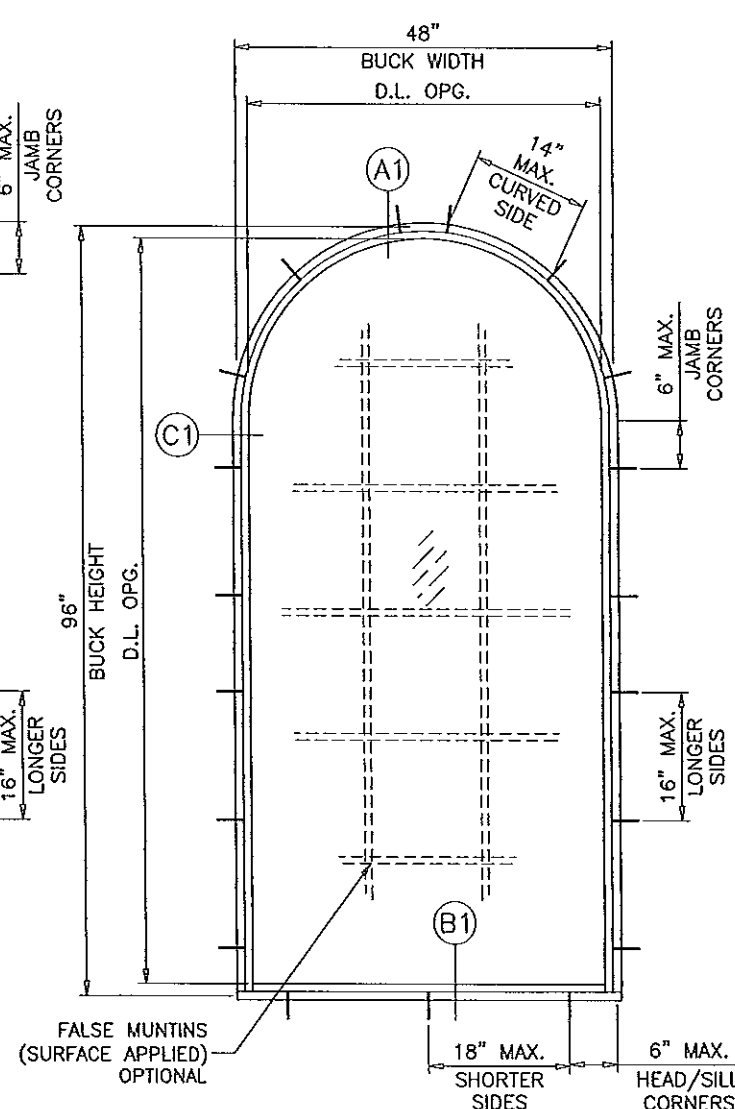
**G. OTHERS**

1. None.

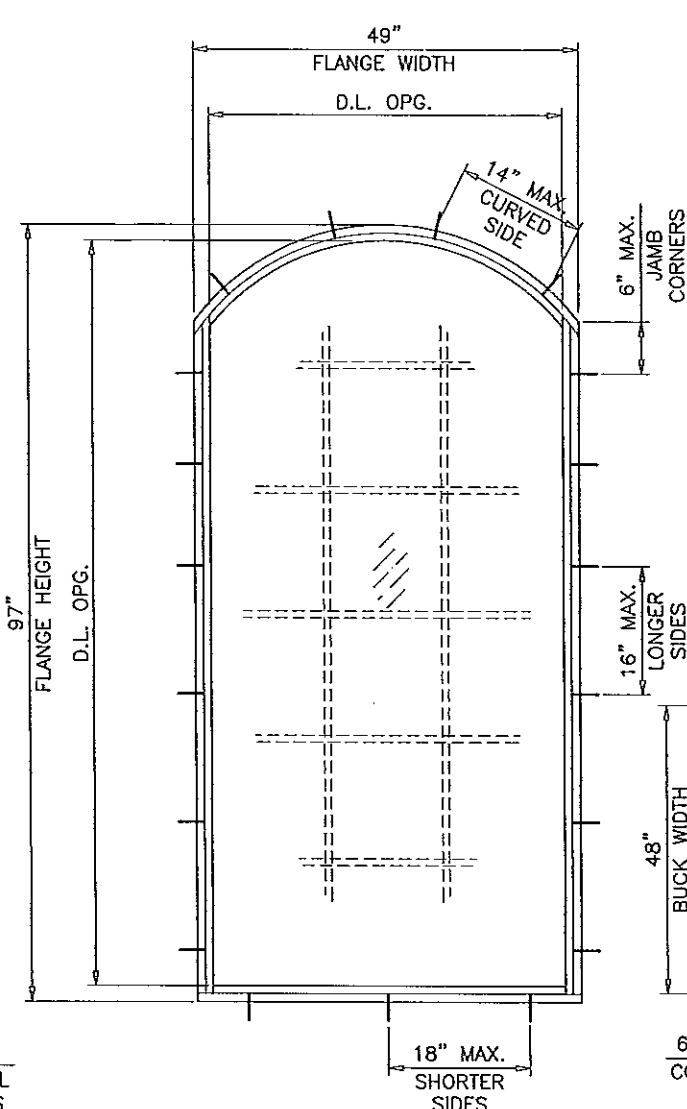
  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 14-0515.11  
Expiration Date: July 31, 2019  
Approval Date: July 31, 2014



FLANGE & FLANGE ADAPTOR FRAME

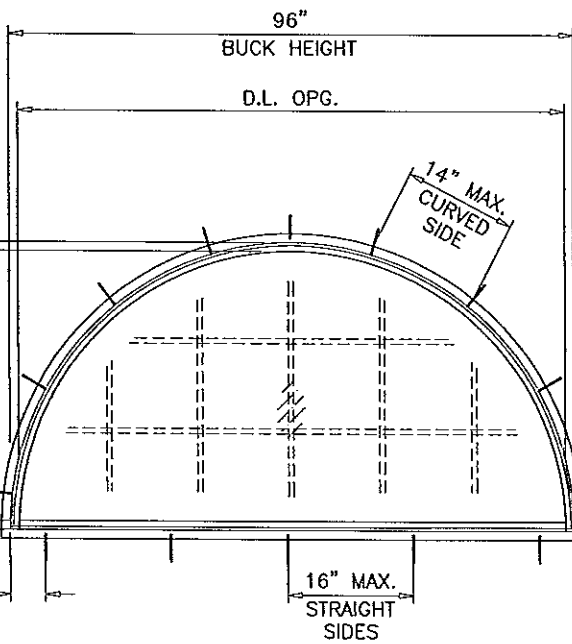


EQUAL LEG FRAME



TYPICAL ELEVATIONS

ANCHOR SPACING SHOWN HEREIN APPLICABLE TO FLANGE AND FLUSH FRAMES. SEE SHEET 2 FOR FIN FRAMES.



# SERIES SENTINEL 130 ALUMINUM FIXED WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 3.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIX./FIX. OR FIX. WDW. WITH OTHER MIAMI-DADE COUNTY APPROVED WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN.

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

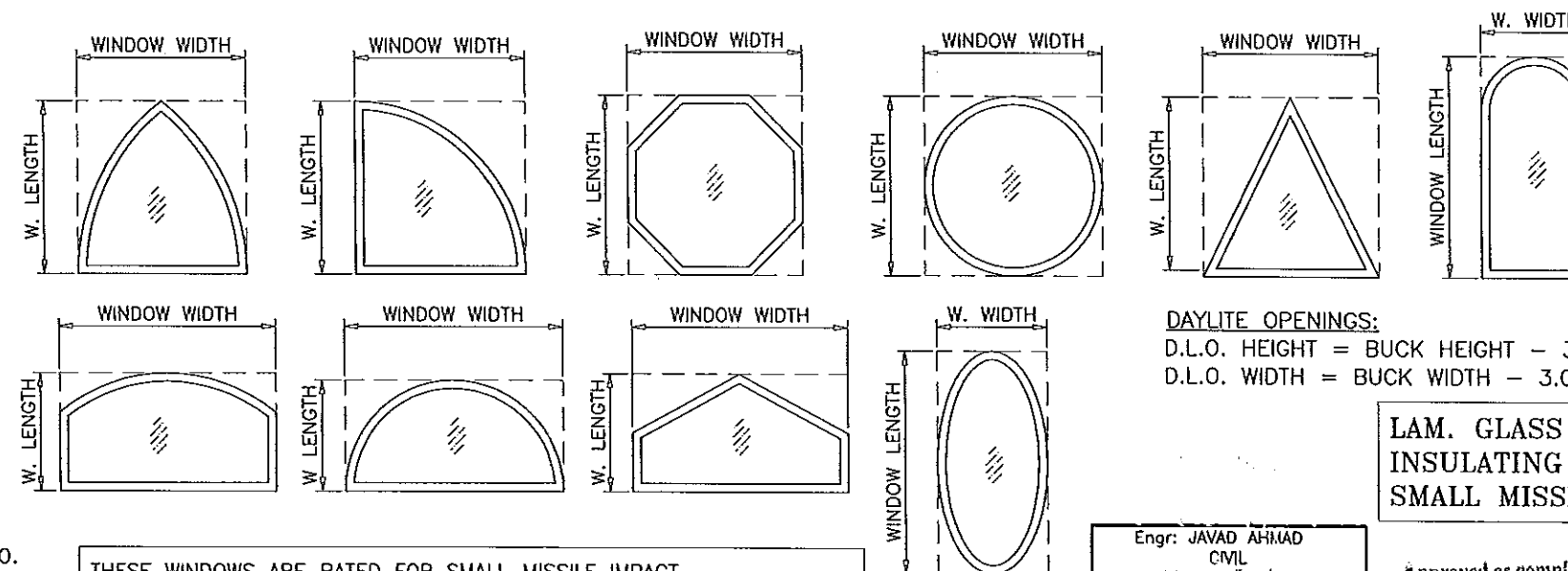
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE.



DAYLITE OPENINGS:  
D.L.O. HEIGHT = BUCK HEIGHT - 3.00"  
D.L.O. WIDTH = BUCK WIDTH - 3.00"

LAM. GLASS  
INSULATING LAM.GLASS  
SMALL MISSILE IMPACT

THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT. MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538

MAY 09 2014

Approved as complying with the Florida Building Code  
Date: July 31, 2014  
NOAH: 14-0515-11  
Miami Dade Product Control

By: Javad Ahmad

SERIES SENTINEL 130 ALUMINUM FIXED WINDOW (S.M.I.)

CGI WINDOWS & DOORS

10100 N.W. 25TH STREET

MIAMI, FL. 33172

TEL. (305) 593-6590 FAX. (305) 593-6592

AL-FAROOQ CORP.  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL (305) 264-8100 FAX (305) 262-6978

COMP-ANL W14-19CGI

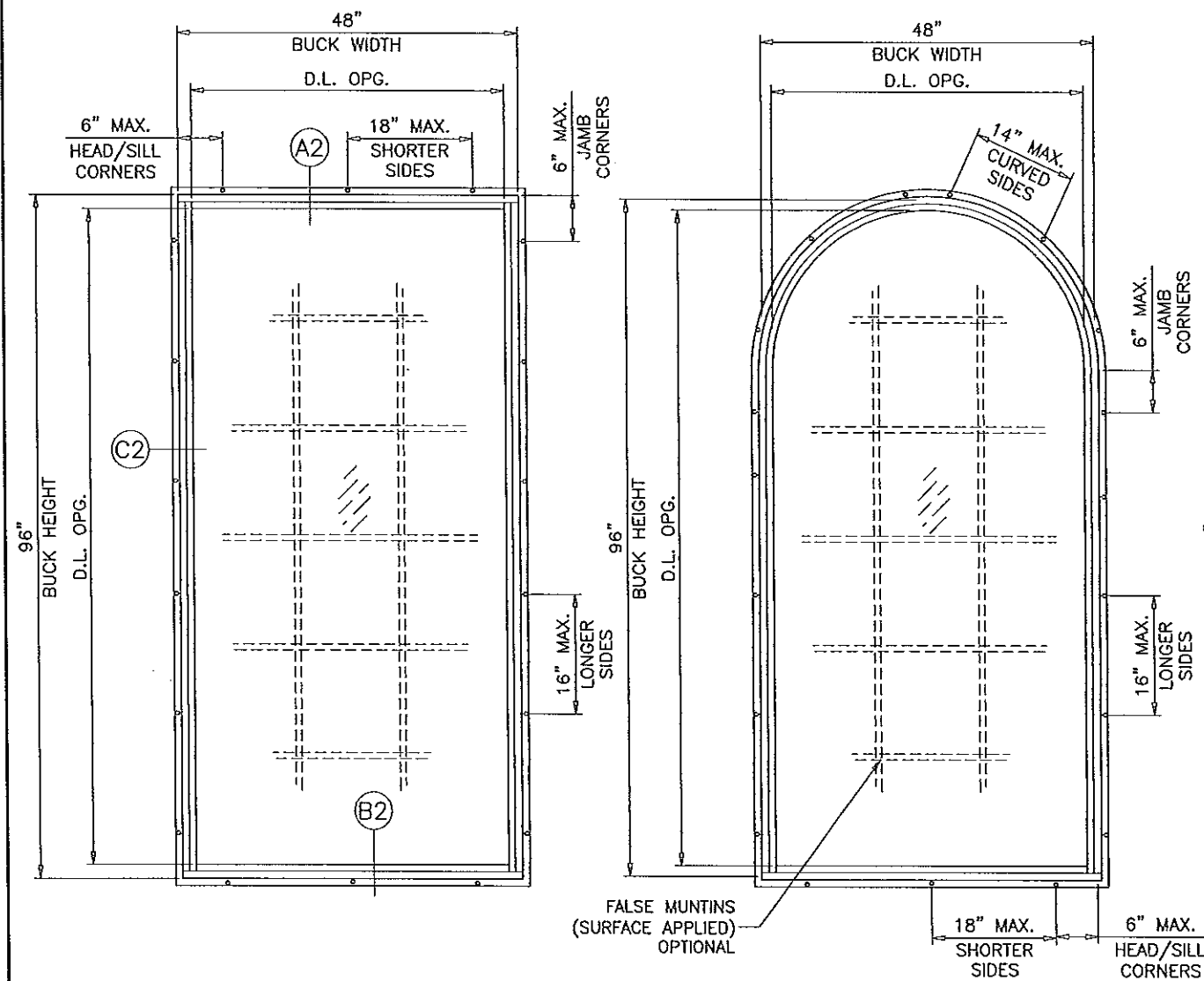
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dr. by:  
chk. by:

drawing no.

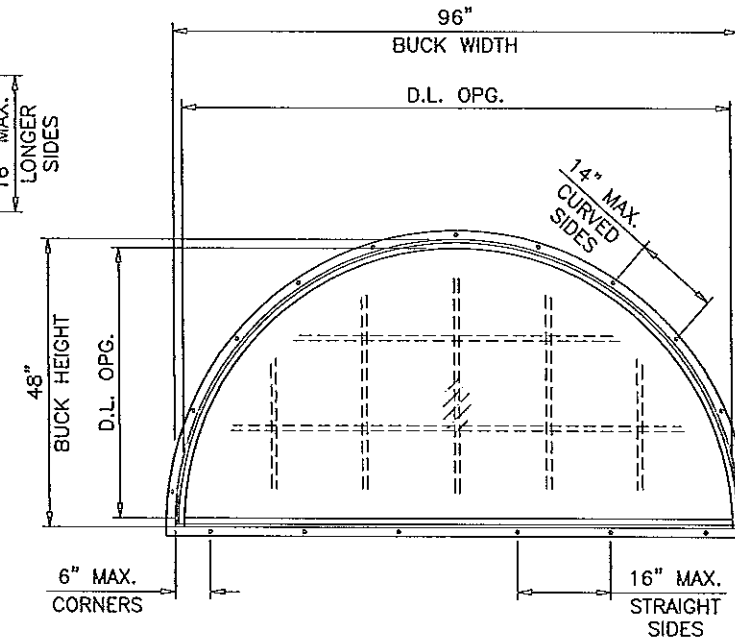
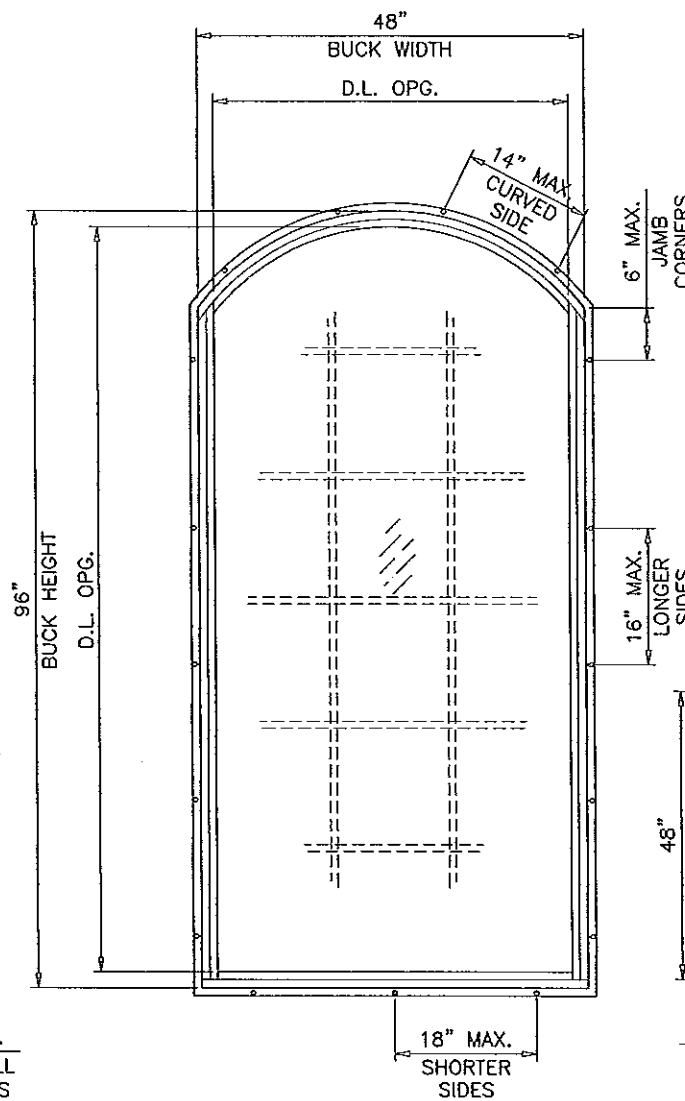
W14-19

sheet 1 of 6



FIN FRAMES

ALTERNATE SHAPES AS SHOWN ON SHEET 1 ALSO AVAILABLE FOR FIN FRAMES



TYPICAL ELEVATIONS

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538  
MAY 09 2014

Approved as complying with the  
Florida Building Code  
Date: July 31, 2014  
NOA# 74-0515.11  
Miami Dade Product Control  
By: *Manuel Perez*

**AL-FAROOQ CORP.**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL (305) 264-8100 FAX (305) 262-6978  
COMP-ANL W14-19CGI

SERIES SENTINEL 130 ALUMINUM FIXED WINDOW (S.M.I.)

**CGI WINDOWS & DOORS**  
10100 N.W. 25TH STREET  
MIAMI, FL. 33172  
TEL. (305) 593-6590 FAX. (305) 593-6592

| Revisions: |                     |
|------------|---------------------|
| no         | date by description |
|            |                     |
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date: 04-10-14

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dr. by:

chk. by:

drawing no.  
**W14-19**

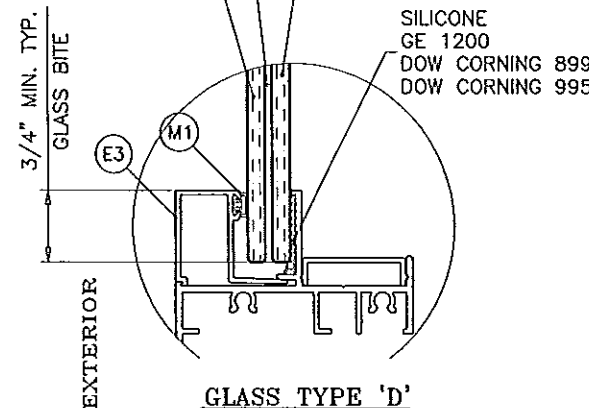
sheet 2 of 6

| DESIGN LOAD CAPACITY - PSF |            |            |            |                        |         |
|----------------------------|------------|------------|------------|------------------------|---------|
| FLANGE DIMS.               |            | BUCK DIMS. |            | GLASS TYPES 'D' & 'D1' |         |
| WIDTH (W)                  | LENGTH (L) | WIDTH (W)  | LENGTH (L) | EXT.(+)                | INT.(-) |
| 24"                        | 36"        | 23"        | 35"        | 100.0                  | 120.0   |
| 30"                        |            | 29"        |            | 100.0                  | 120.0   |
| 36"                        |            | 35"        |            | 100.0                  | 120.0   |
| 42"                        |            | 41"        |            | 100.0                  | 120.0   |
| 48"                        |            | 47"        |            | 100.0                  | 120.0   |
| 54"                        |            | 53"        |            | 100.0                  | 120.0   |
| 60"                        |            | 59"        |            | 100.0                  | 120.0   |
| 61"                        |            | 60"        |            | 100.0                  | 120.0   |
| 24"                        | 48"        | 23"        | 47"        | 100.0                  | 120.0   |
| 30"                        |            | 29"        |            | 100.0                  | 120.0   |
| 36"                        |            | 35"        |            | 100.0                  | 120.0   |
| 42"                        |            | 41"        |            | 100.0                  | 120.0   |
| 48"                        |            | 47"        |            | 100.0                  | 120.0   |
| 54"                        |            | 53"        |            | 100.0                  | 120.0   |
| 60"                        |            | 59"        |            | 100.0                  | 120.0   |
| 61"                        |            | 60"        |            | 100.0                  | 120.0   |
| 24"                        | 60"        | 23"        | 59"        | 100.0                  | 120.0   |
| 30"                        |            | 29"        |            | 100.0                  | 120.0   |
| 36"                        |            | 35"        |            | 100.0                  | 120.0   |
| 42"                        |            | 41"        |            | 100.0                  | 120.0   |
| 48"                        |            | 47"        |            | 100.0                  | 120.0   |
| 54"                        |            | 53"        |            | 90.6                   | 108.7   |
| 60"                        |            | 59"        |            | 81.4                   | 97.6    |
| 61"                        |            | 60"        |            | 81.4                   | 97.6    |
| 24"                        | 72"        | 23"        | 71"        | 100.0                  | 120.0   |
| 30"                        |            | 29"        |            | 100.0                  | 120.0   |
| 36"                        |            | 35"        |            | 100.0                  | 120.0   |
| 42"                        |            | 41"        |            | 100.0                  | 120.0   |
| 48"                        |            | 47"        |            | 100.0                  | 120.0   |
| 54"                        |            | 53"        |            | 90.6                   | 108.7   |
| 60"                        |            | 59"        |            | 81.4                   | 97.6    |
| 61"                        |            | 60"        |            | 80.0                   | 96.0    |
| 24"                        | 84"        | 23"        | 83"        | 100.0                  | 120.0   |
| 30"                        |            | 29"        |            | 100.0                  | 120.0   |
| 36"                        |            | 35"        |            | 100.0                  | 120.0   |
| 42"                        |            | 41"        |            | 100.0                  | 120.0   |
| 48"                        |            | 47"        |            | 100.0                  | 120.0   |
| 54"                        |            | 53"        |            | 90.6                   | 108.7   |
| 56"                        |            | 55"        |            | 87.3                   | 104.7   |
| 24"                        | 97"        | 23"        | 96"        | 100.0                  | 120.0   |
| 30"                        |            | 29"        |            | 100.0                  | 120.0   |
| 36"                        |            | 35"        |            | 100.0                  | 120.0   |
| 42"                        |            | 41"        |            | 100.0                  | 120.0   |
| 48"                        |            | 47"        |            | 100.0                  | 120.0   |
| 49"                        |            | 48"        |            | 100.0                  | 120.0   |
| 24"                        | 102"       | 23"        | 101"       | 100.0                  | 120.0   |
| 30"                        |            | 29"        |            | 100.0                  | 120.0   |
| 36"                        |            | 35"        |            | 100.0                  | 120.0   |
| 42"                        |            | 41"        |            | 100.0                  | 120.0   |
| 46"                        |            | 45"        |            | 100.0                  | 117.6   |
| 24"                        | 108"       | 23"        | 107"       | 100.0                  | 120.0   |
| 30"                        |            | 29"        |            | 100.0                  | 120.0   |
| 36"                        |            | 35"        |            | 100.0                  | 120.0   |
| 42"                        |            | 41"        |            | 100.0                  | 117.1   |
| 44"                        |            | 43"        |            | 100.0                  | 113.0   |

| DESIGN LOAD CAPACITY - PSF |            |            |            |                        |         |
|----------------------------|------------|------------|------------|------------------------|---------|
| FLANGE DIMS.               |            | BUCK DIMS. |            | GLASS TYPES 'D' & 'D1' |         |
| WIDTH (W)                  | LENGTH (L) | WIDTH (W)  | LENGTH (L) | EXT.(+)                | INT.(-) |
| 24"                        | 114"       | 23"        | 113"       | 100.0                  | 120.0   |
| 30"                        |            | 29"        |            | 100.0                  | 120.0   |
| 36"                        |            | 35"        |            | 100.0                  | 120.0   |
| 41"                        |            | 40"        |            | 100.0                  | 120.0   |
| 24"                        |            | 23"        |            | 100.0                  | 120.0   |
| 30"                        | 120"       | 29"        | 119"       | 100.0                  | 120.0   |
| 36"                        |            | 35"        |            | 100.0                  | 120.0   |
| 39"                        |            | 38"        |            | 100.0                  | 120.0   |
| 24"                        |            | 23"        |            | 100.0                  | 120.0   |
| 30"                        | 121"       | 29"        | 120"       | 100.0                  | 120.0   |
| 36"                        |            | 35"        |            | 100.0                  | 120.0   |
| 39"                        |            | 38"        |            | 100.0                  | 120.0   |

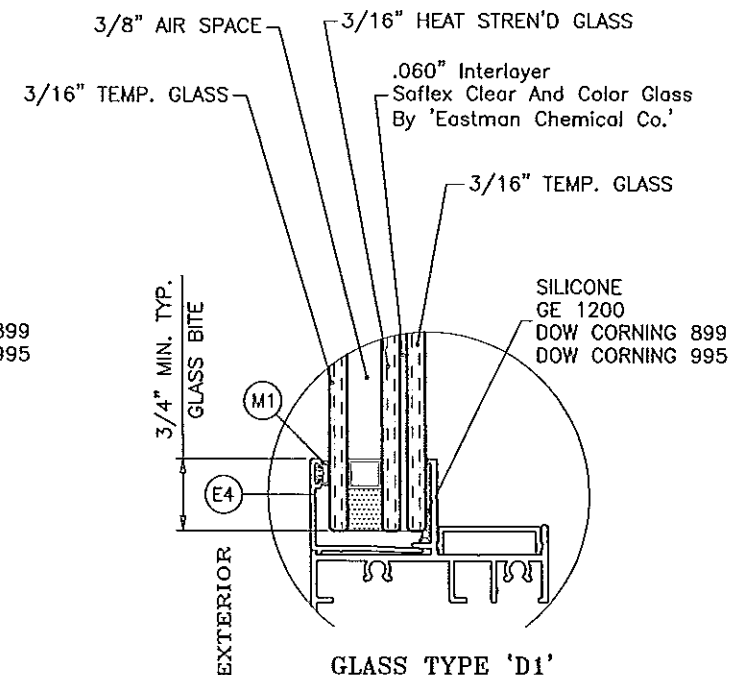
| DESIGN LOAD CAPACITY - PSF |            |            |            |                        |         |
|----------------------------|------------|------------|------------|------------------------|---------|
| FLANGE DIMS.               |            | BUCK DIMS. |            | GLASS TYPES 'D' & 'D1' |         |
| WIDTH (W)                  | LENGTH (L) | WIDTH (W)  | LENGTH (L) | EXT.(+)                | INT.(-) |
| 19-1/8"                    | 26"        | 18-1/8"    | 25"        | 100.0                  | 120.0   |
| 26-1/2"                    |            | 25-1/2"    |            | 100.0                  | 120.0   |
| 37"                        |            | 36"        |            | 100.0                  | 120.0   |
| 48"                        |            | 47"        |            | 100.0                  | 120.0   |
| 53-1/8"                    |            | 52-1/8"    |            | 100.0                  | 120.0   |
| 61"                        | 38-3/8"    | 60"        | 37-3/8"    | 100.0                  | 120.0   |
| 19-1/8"                    |            | 18-1/8"    |            | 100.0                  | 120.0   |
| 26-1/2"                    |            | 25-1/2"    |            | 100.0                  | 120.0   |
| 37"                        |            | 36"        |            | 100.0                  | 120.0   |
| 48"                        |            | 47"        |            | 100.0                  | 120.0   |
| 53-1/8"                    | 50-5/8"    | 52-1/8"    | 49-5/8"    | 100.0                  | 120.0   |
| 61"                        |            | 60"        |            | 100.0                  | 120.0   |
| 75-1/4"                    |            | 74-1/4"    |            | 96.7                   | 116.1   |
| 93-3/4"                    |            | 92-3/4"    |            | 96.7                   | 116.1   |
| 19-1/8"                    | 63"        | 18-1/8"    | 62"        | 100.0                  | 120.0   |
| 26-1/2"                    |            | 25-1/2"    |            | 100.0                  | 120.0   |
| 37"                        |            | 36"        |            | 100.0                  | 120.0   |
| 48"                        |            | 47"        |            | 100.0                  | 120.0   |
| 53-1/8"                    |            | 52-1/8"    |            | 92.1                   | 110.5   |
| 61"                        | 76"        | 60"        | 75"        | 80.0                   | 96.0    |
| 75-1/4"                    |            | 74-1/4"    |            | 77.4                   | 92.9    |
| 19-1/8"                    |            | 18-1/8"    |            | 100.0                  | 120.0   |
| 26-1/2"                    |            | 25-1/2"    |            | 100.0                  | 120.0   |
| 37"                        |            | 36"        |            | 100.0                  | 120.0   |
| 48"                        | 53-1/8"    | 47"        | 52-1/8"    | 100.0                  | 120.0   |
| 53-1/8"                    |            | 52-1/8"    |            | 92.1                   | 110.5   |
| 61"                        |            | 60"        |            | 80.0                   | 96.0    |

ANCHOR SPACING TO BE AS PER SHEET 1

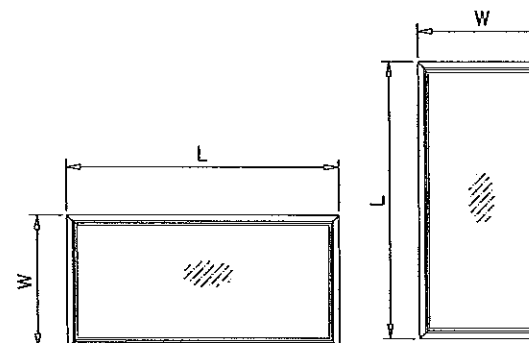
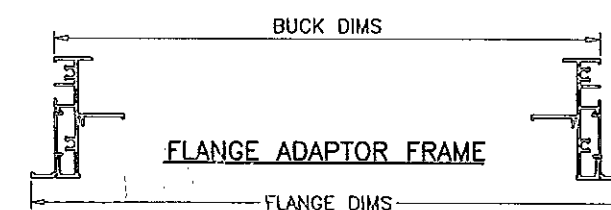
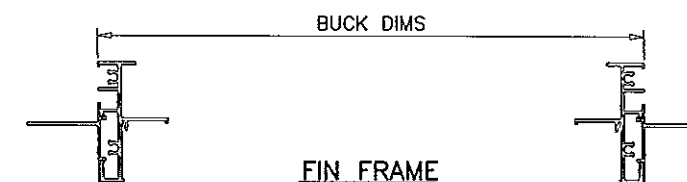
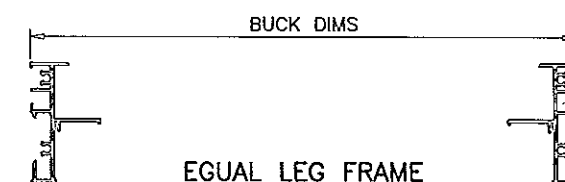
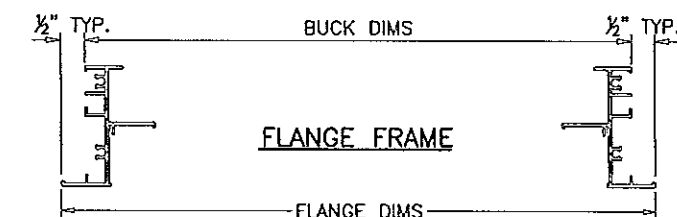


GLASS TYPE 'D'  
7/16" OVERALL LAM. GLASS

AIR SPACE CONSISTING OF:  
SPACER:  
METAL SPACER AROUND  
THE PERIMETER OF THE GLASS.



GLASS TYPE 'D1'  
1" OVERALL INSUL. LAM. GLASS



NOTE:  
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED  
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

Engr: JAVAD AHMAD  
CML  
FLA. PE # 70592  
C.A.N. 3538  
MAY 09 2014

Approved as complying with the  
Florida Building Code  
Date: July 31, 2014  
NDA# 12-10515-11  
Miami Dade Product Control

**AL-FAROOQ CORP.**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL (305) 262-6978  
FAX (305) 262-6978

SERIES SENTINEL 130 ALUMINUM FIXED WINDOW (S.M.I.)

**CGI WINDOWS & DOORS**  
10100 N.W. 25TH STREET  
MIAMI, FL. 33172  
TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:

| no | date | by | description |
|----|------|----|-------------|
|    |      |    |             |
|    |      |    |             |
|    |      |    |             |
|    |      |    |             |

date: 04-10-14  
scale: -  
dr. by:  
chk. by:

drawing no.  
**W14-19**  
sheet 3 of 6

**TYPICAL INSTALLATION DETAILS**  
THESE DETAILS ARE TYPICAL ON ALL FOUR SIDES OF WINDOW

**TYPICAL EDGE DISTANCE**  
INTO CONCRETE AND MASONRY = 2" MIN.  
INTO WOOD STRUCTURE = 3/4" MIN.  
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS  $f'_c = 3000$  PSI MIN.  
C-90 HOLLOW/FILLED BLOCK AT JAMBS  $f'_m = 2000$  PSI MIN.

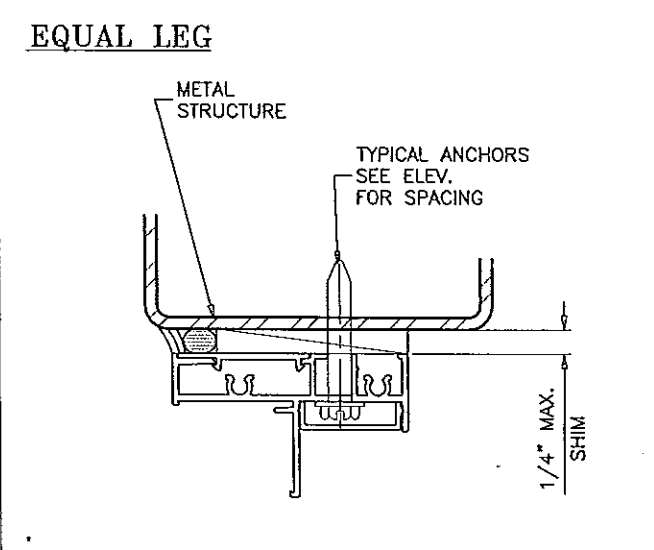
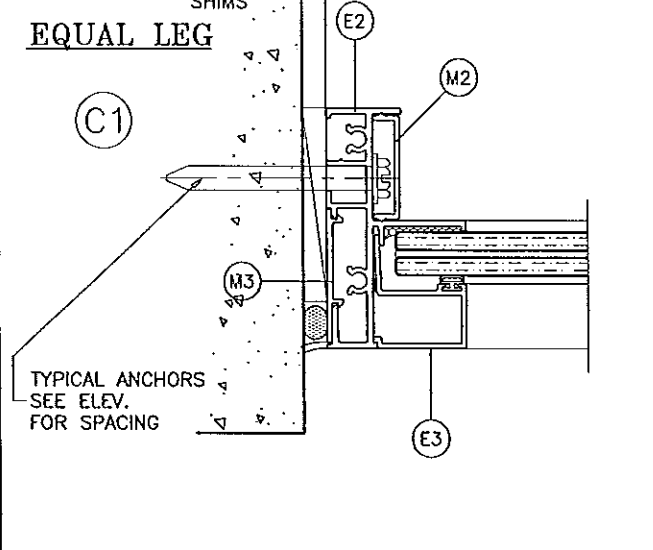
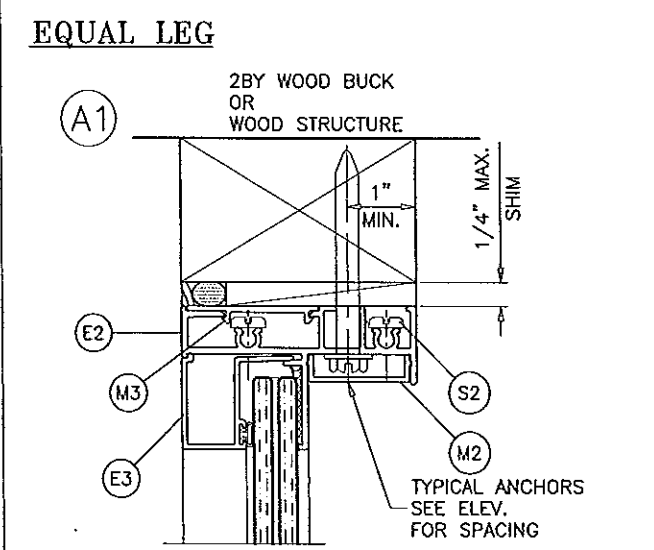
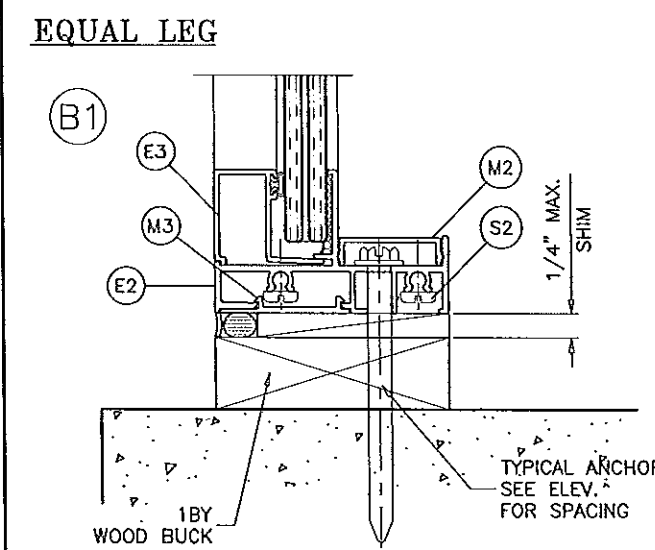
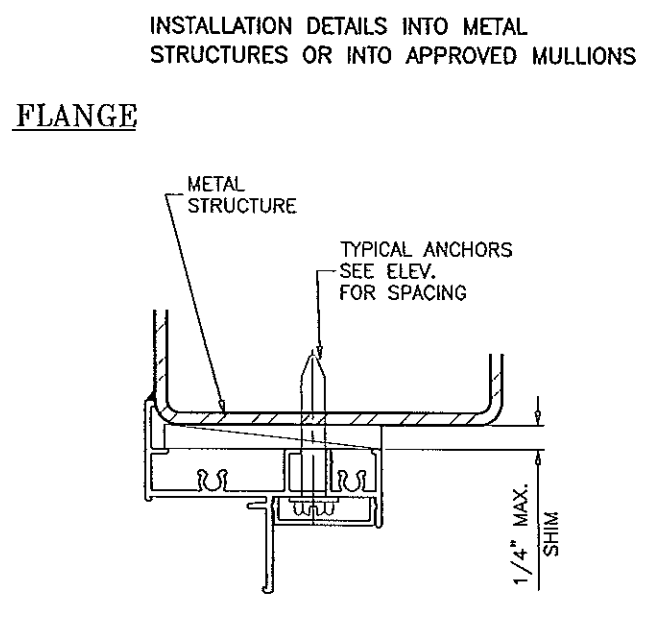
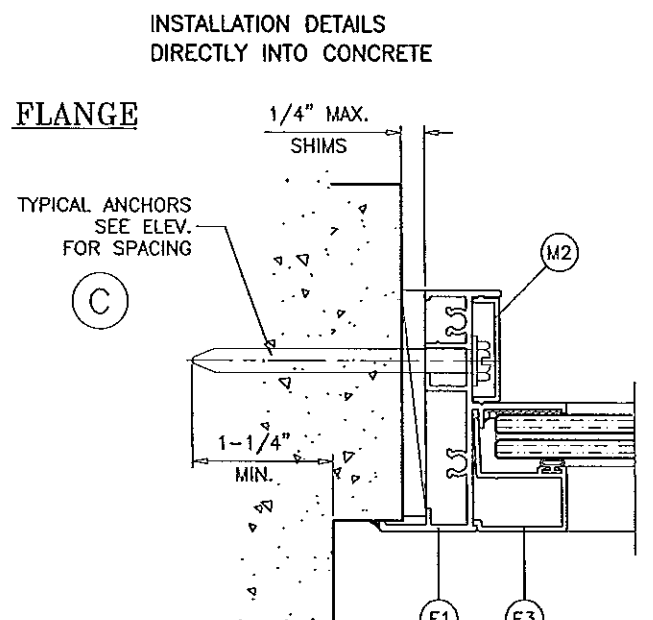
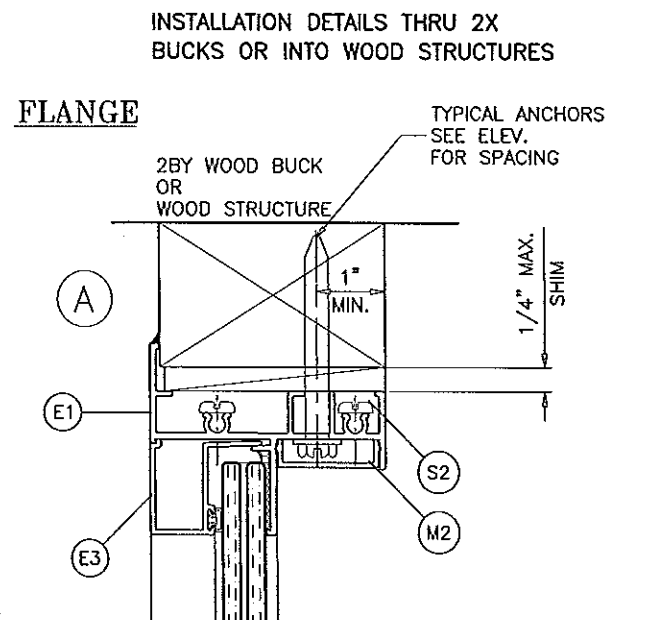
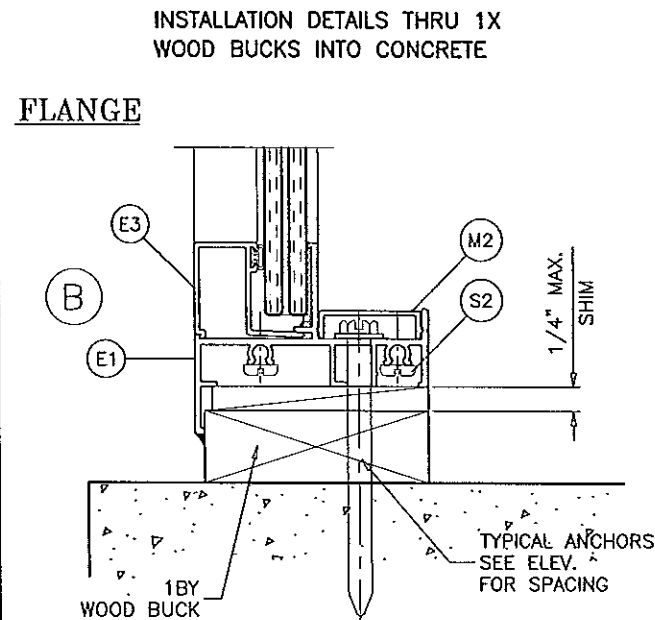
**af**  
**AL-FAROOQ CORP.**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL (305) 264-8100 FAX (305) 262-6978  
COMP-ANL\W14-19CGI

SERIES SENTINEL 130 ALUMINUM FIXED WINDOW (S.M.I.)  
**CGI WINDOWS & DOORS**  
10100 N.W. 25TH STREET  
MIAMI, FL. 33172  
TEL. (305) 593-6590 FAX. (305) 593-6592

| revisions: |                     |
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| no         | date by description |
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| date: 04-10-14 | scale: 1/2" = 1" | dr. by: | chk. by: |
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drawing no.  
**W14-19**  
sheet 4 of 6



**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING  
**1/4" DIA. HILTI KWIK-CON II** ( $F_u=163$  KSI,  $F_y=157$  KSI)  
**1/4" DIA. ULTRACON BY 'ELCO'** ( $F_u=177$  KSI,  $F_y=155$  KSI)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" MIN. PENETRATION INTO WOOD  
THRU 1BY BUCKS INTO CONC. OR MASONRY  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY  
DIRECTLY INTO CONC. OR MASONRY  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

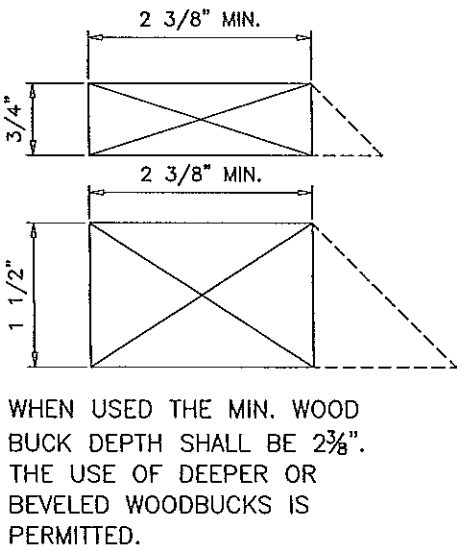
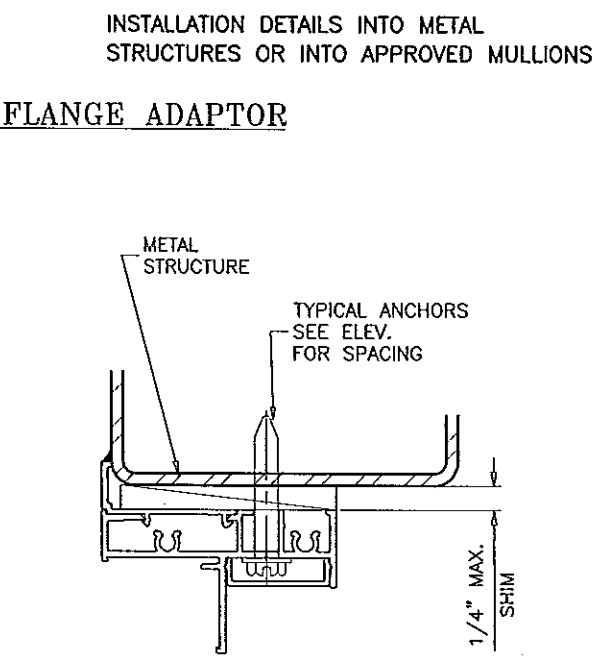
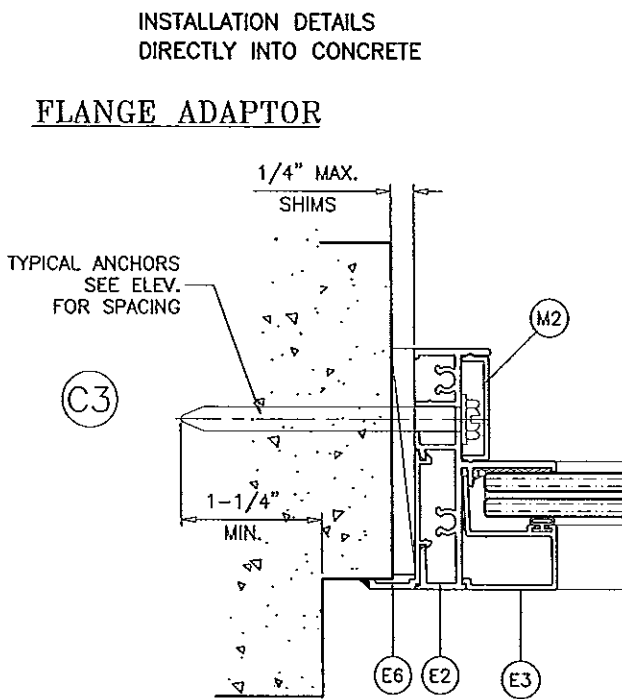
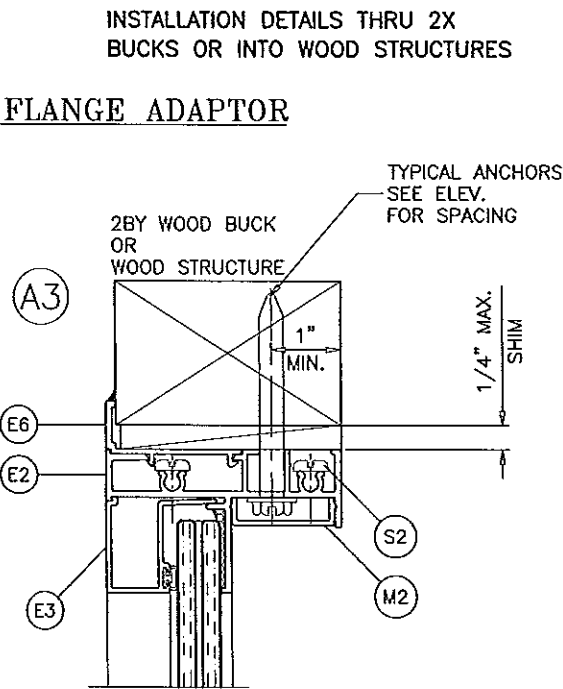
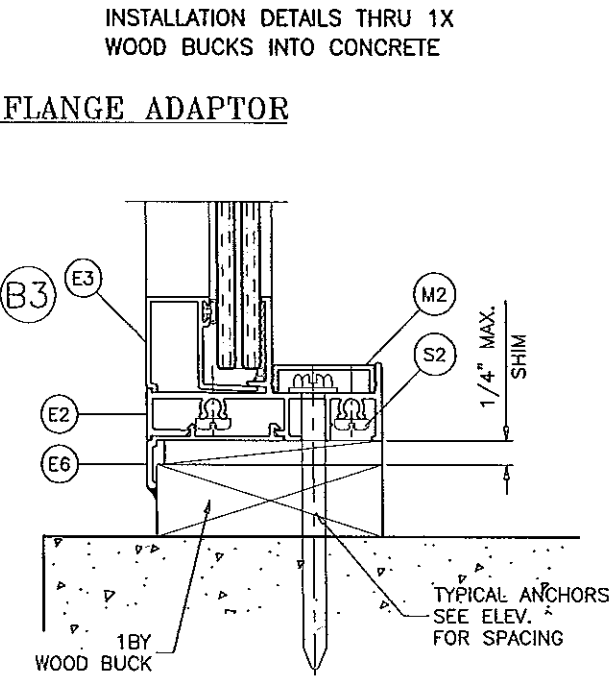
**#14 SMS OR SELF DRILLING SCREWS** (GRADE 2 CRS)  
INTO METAL STRUCTURES  
STEEL : 12 GA. MIN. ( $F_y = 36$  KSI MIN.)  
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)  
**#14 SMS OR SELF DRILLING SCREWS** (GRADE 2 CRS)  
INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")  
(NO SHIM SPACE)

WOOD BUCKS AND METAL STRUCTURE NOT BY CGI WDW.  
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM  
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538  
MAY 09 2014

Approved as complying with the  
Florida Building Code  
Date: July 31, 2014  
NOA# 14-10515.1  
Miami Dade Product Control  
By: [Signature]

TYPICAL INSTALLATION DETAILS  
THESE DETAILS ARE TYPICAL ON ALL FOUR SIDES OF WINDOW

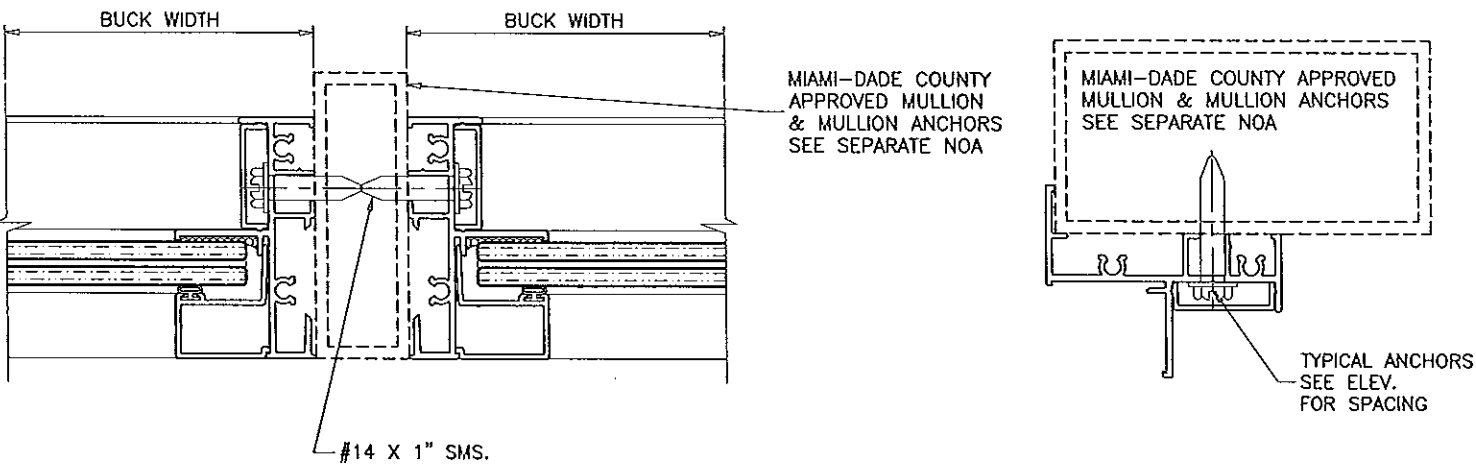
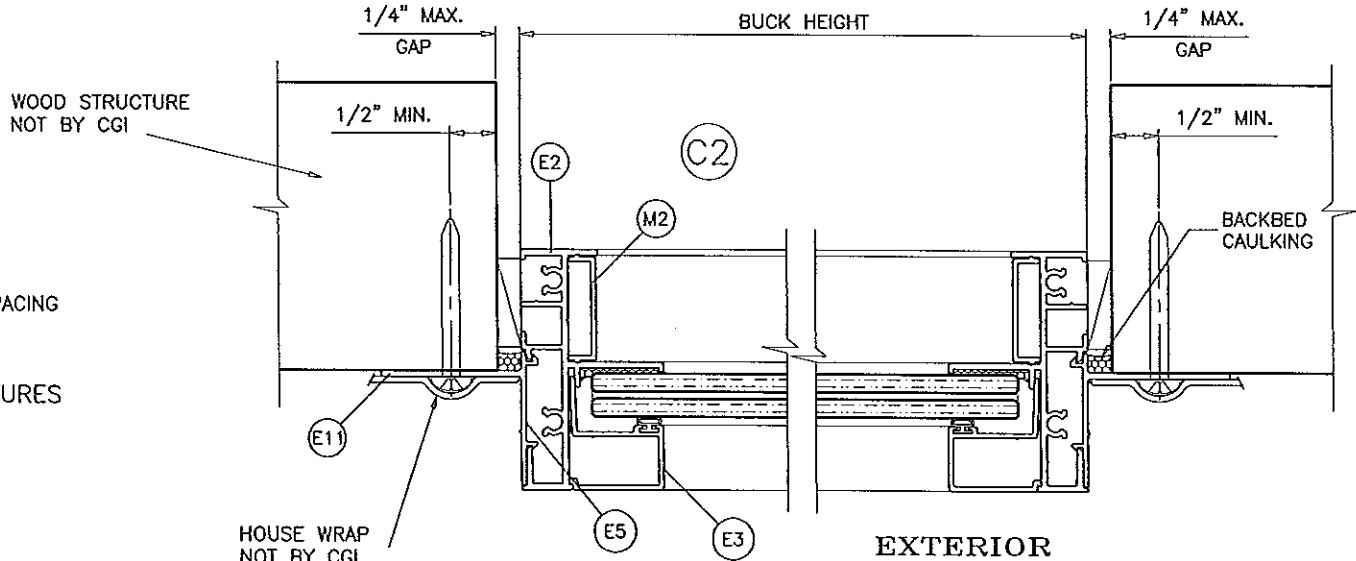


**FIN FRAME**

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

**#8 SMS** (GRADE 2 CRS)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/4\"



Engr: JAVAD AHMAD  
CML  
FLA. PE # 70592  
C.A.N. 3538

Approved as complying with the  
Florida Building Code  
Date: 12/14/2014  
NOA: 14-0515-11  
Miami Dade Product Control

By: *Manuel Perez*

MAY 09 2014

**AL-FAROOQ CORP.**  
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| no         | date by description |
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date: 04-10-14

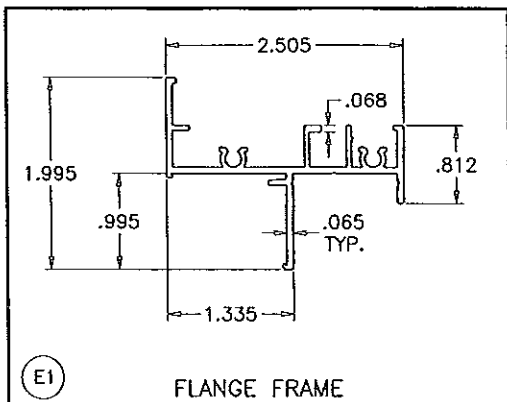
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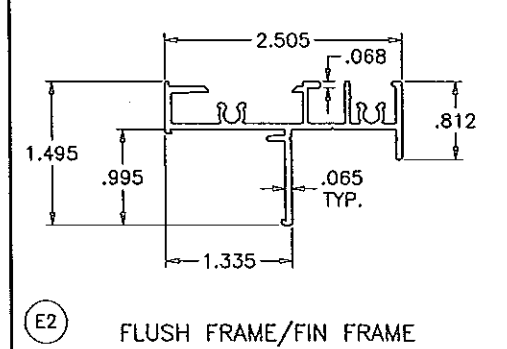
chk. by:

drawing no.  
**W14-19**

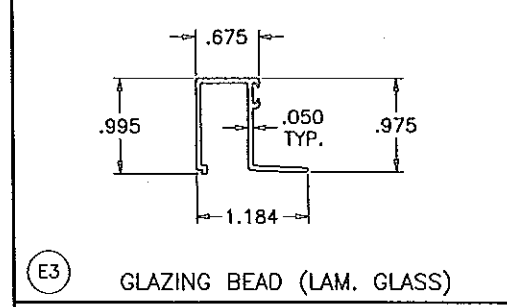
sheet 5 of 6



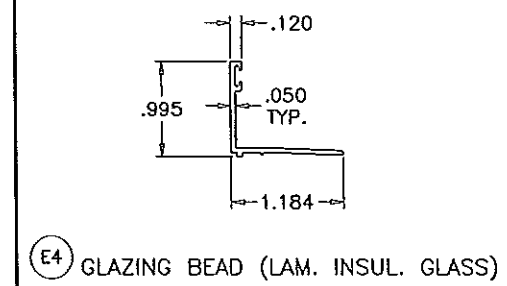
(E1) FLANGE FRAME



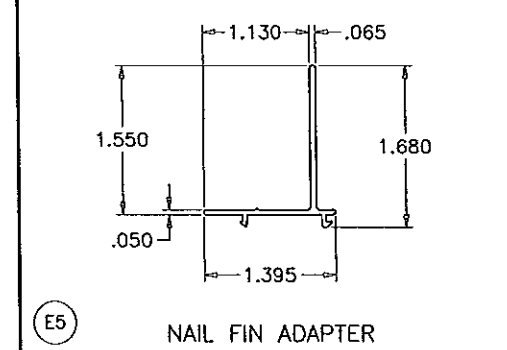
(E2) FLUSH FRAME/FIN FRAME



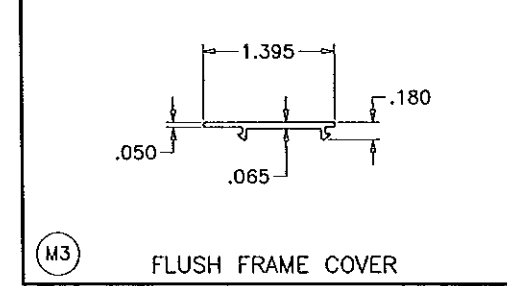
(E3) GLAZING BEAD (LAM. GLASS)



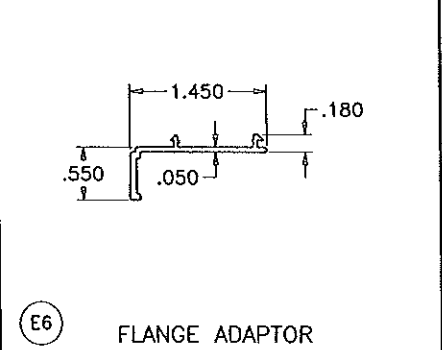
(E4) GLAZING BEAD (LAM. INSUL. GLASS)



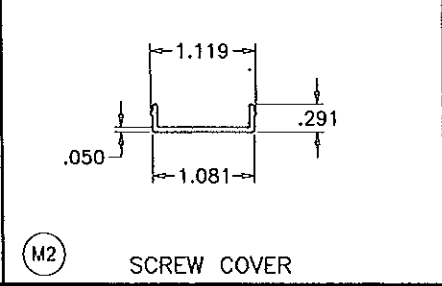
(E5) NAIL FIN ADAPTOR



(M3) FLUSH FRAME COVER

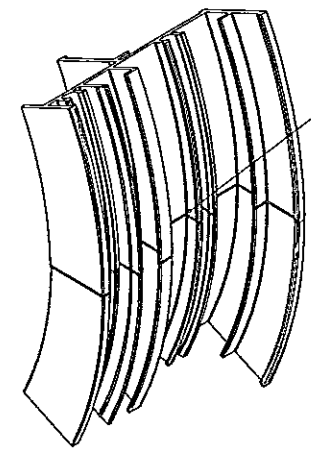


(E6) FLANGE ADAPTOR

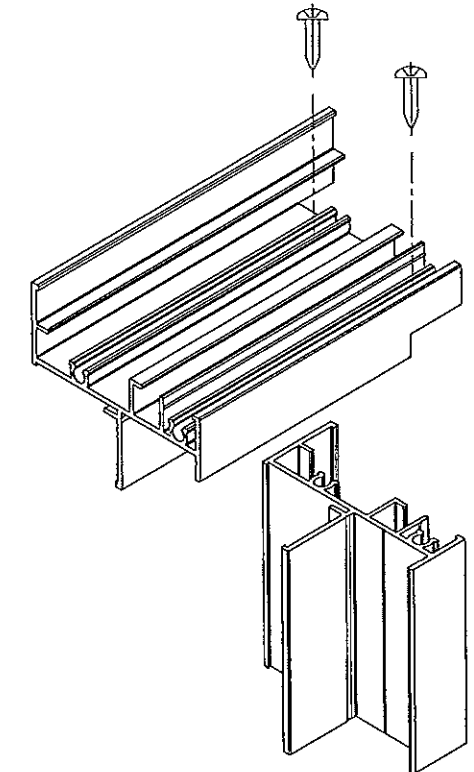


(M2) SCREW COVER

| ITEM | PART #       | QUANTITY  | DESCRIPTION                      | MATERIAL | MANF./SUPPLIER/REMARKS  |
|------|--------------|-----------|----------------------------------|----------|-------------------------|
| E1   | CGI-118      | 4/ WDW.   | FLANGE FRAME                     | 6063-T6  | -                       |
| E2   | CGI-119      | 4/ WDW.   | FLUSH FRAME/FIN FRAME            | 6063-T6  | -                       |
| E3   | CGI-121      | 4/ WDW.   | GLAZING BEAD (LAM. GLASS)        | 6063-T6  | -                       |
| E4   | CGI-123      | 4/ WDW.   | GLAZING BEAD (LAM. INSUL. GLASS) | 6063-T6  | -                       |
| E5   | CGI-110      | 4/ WDW.   | NAIL FIN ADAPTOR                 | 6063-T6  | -                       |
| E6   | CGI-109      | 4/ WDW.   | FRONT FLANGE ADAPTOR             | 6063-T6  | -                       |
| M1   | CGI-382V     | AS REQD.  | GLAZING BULB VINYL               | PVC      | DUROMETER 75-80 SHORE A |
| M2   | CGI-124      | AS REQD.  | SCREW COVER- OPTIONAL            | PVC      | -                       |
| M3   | CGI-112      | AS REQD.  | FLUSH FRAME COVER                | PVC      | -                       |
| S2   | #10 X 1-1/4" | 2/ CORNER | ASSEMBLY SCREW PHL. PH SMS       | ST/ST    | -                       |



CIRCULAR WINDOWS



RECT. OR SQUARE WINDOWS

TYP. CORNER DETAILS

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3539  
MAY 09 2014

Approved as complying with the  
Florida Building Code  
Date: July 31, 2014  
By: [Signature]  
Minimal Dade Product Control

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date: 04-10-14  
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dr. by:  
chk. by:

drawing no.  
**W14-19**  
sheet 6 of 6